

5' AT	ATA	CGA	TTA	CTA	TAG	GGA	TTT	GGC	CCT	CGA	GGC	AAG	AAA	TTT	GGC	ACG	AGG	ATC
			65			74			83			92			101			110
	AGA	CCA	TCA	GAA	GGA	TTT	GTA	TAA	AGA	GTG	ACT	CTC	CTA	TGA	AGG	TAA	AGG	CCA
			119			128			137			146			155			164
	CCC	CTC	TTC	AGT	TCC	AGT	GAC	TGA	GAT	ACA	TTT	TTC	CAA	TCC	TGG	GGG	CAA	ATA
			173			182			191			200			209			218
	CAG	ACA	CAG	CAA	GTT	CCT	TCT	TCC	CTT	TGG	AAA	TTT	GGC	AGC	TGC	CTT	CAC	CAG
			227			236			245			254			263			272
	TGA	GCA	CAA	AGC	CAC	ATT	TCA	AAG	GAA	ACT	GAC	AAA	TTA	TCC	CCA	GCT	GCC	AGA
			281			290			299			308			317			326
	AGA	AGA	AAT	CCT	CAC	TGG	ACG	GCT	TCC	TGT	TTC	CTG	TGG	TTC	ATT	ATC	TGA	TTG
			335			344			353			362			371			380
	GCT	GCA	GGG	ATG	AAA	GTT	TTT	AAG	TTC	ATA	GGA	CTG	ATG	ATC	CTC	CTC	ACC	TCT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
				M	K	V	F	K	F	I	G	L	M	I	L	L	T	S
			389			398			407			416			425			434
	GCG	TTT	TCA	GCC	GGT	TCA	GGA	CAA	AGT	CCA	ATG	ACT	GTG	CTG	TGC	TCC	ATA	GAC
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	A	F	S	A	G	S	G	Q	S	P	M	T	V	L	C	S	I	D

FIGURE 1A

443	452	461	470	479	488
TGG TTC ATG GTC ACA GTG CAC CCC TTC ATG CTA AAC AAC GAT GTG TGT GTA CAC					
---	---	---	---	---	---
W F M V T V H P F M L N N D V C V H					
497	506	515	524	533	542
TTT CAT GAA CTA CAC TTG GGC CTG GGT TGC CCC CCA AAC CAT GTT CAG CCA CAC					
---	---	---	---	---	---
F H E L H L G L G C P P N H V Q P H					
551	560	569	578	587	596
GCC TAC CAG TTC ACC TAC CGT GTT ACT GAA TGT GGC ATC AGG GCC AAA GCT GTC					
---	---	---	---	---	---
A Y Q F T Y R V T E C G I R A K A V					
605	614	623	632	641	650
TCT CAG GAC ATG GTT ATC TAC AGC ACT GAG ATA CAC TAC TCT TCT AAG GGC ACG					
---	---	---	---	---	---
S Q D M V I Y S T E I H Y S S K G T					
659	668	677	686	695	704
CCA TCT AAG TTT GTG ATC CCA GTG TCA TGT GCT GCC CCC CAA AAG TCC CCA TGG					
---	---	---	---	---	---
P S K F V I P V S C A A P Q K S P W					

FIGURE 1B

713	722	731	740	749	758
CTC ACC AAG CCC TGC TCC ATG AGA GTA GCC AGC AGG GCC ACA GCC CAG					
L T K P C S M R V A S K S R A T A Q					
767	776	785	794	803	812
AAG GAT GAG AAA TGC TAC TGC GAG GTG TTC AGC TTG TCA CAG TCC AGT CAA AGG CCC					
K D E K C Y E V F S L S Q S S Q R P					
821	830	839	848	857	866
AAC TGC GAT TGT CCA CCT TGT GTC TTC AGT GAA GAG CAT ACC CAG GTC CCT					
N C D C P P C V F S S E E H T Q V P					
875	884	893	902	911	920
TGT CAC CAA GCA GGG GCT CAG GAG GCT CAA CCT CTG CAG CCA TCT CAC TTT CTT					
C H Q A G A Q E A Q Q P L Q Q P S H F L					
929	938	947	956	965	974
GAT ATT TCT GAG GAT TGG TCT CTT CAC ACA GAT GAT ATG ATT GGG TCC ATG TGA					
D I S E D W S L H T D D M I G S M					
983	992	1001	1010	1019	1028
TCC TCA GGT TTG GGG TCT CCT GAA GAT GCT ATT TCT AGA ATT AGT ATA TAG TGT					

FIGURE 1C

Figure 1D

1037	1046	1055	1064	1073	1082
ACA AAT GTC TGA CAA ATA AGT GCT CTT GTG ACC CTC ATG TGA GCA CTT TTG AGA					
1091	1100	1109	1118	1127	1136
AAG AGA AAC CTA TAG CAA CTT CAT GAA TTA AGC CTT TTT CTA TAT TTT TAT ATT					
1145	1154	1163	1172	1181	
CAT GTG TAA ACA AAA AAT AAA ATA AAA TTC TGA TCG CAT AAA AAA AAA AAA 3'					

FIGURE 1D

5'G	AGT	TGT	GAG	GGT	GTG	AGG	GTC	GCG	TTC	CTG	CTG	TCT	GGA	CTT	TTT	CTG	TCC	CAC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10						19			28			37			46			55
64	TGA	GAC	GCA	GCT	GTG	TGA	AAT	ATG	ATT	TGG	CGA	GGA	AGA	TCA	ACA	TAT	AGG	CCT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
						73			82			91			100			109
								M	I	W	R	G	R	S	T	Y	R	P
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
118	AGG	CCG	AGG	AGA	AGT	GTA	CCA	CCT	CCT	GAG	CTG	ATT	GGG	CCT	ATG	CTG	GAG	CCC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	R	P	R	R	S	V	P	P	P	E	L	I	G	P	M	L	E	P
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
172	GGT	GAT	GAG	GAG	CCT	CAG	CAA	GAG	GAA	CCA	CCA	ACT	GAA	AGT	CGG	GAT	CCT	GCA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	G	D	E	E	P	Q	Q	E	E	P	P	T	E	S	R	D	P	A
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
226	CCT	GGT	CAG	GAG	AGA	GAA	GAA	GAT	CAG	GGT	GCA	GCT	GAG	ACT	CAA	GTG	CCT	GAC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	P	G	Q	E	R	E	E	D	Q	G	A	A	E	T	Q	V	P	D
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
280	CTG	GAA	GCT	GAT	CTC	CAG	GAG	CTG	TCT	CAG	TCA	AAG	ACT	GGG	GGT	GAA	TGT	GGA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	L	E	A	D	L	Q	E	L	S	Q	S	K	T	G	G	E	C	G

FIGURE 2A

334	343	352	361	370	379
AAT GGT CCT GAT GAC CAG GGG AAG ATT CTG CCA AAA TCA GAA CAA TTT AAA ATG					
N G P D D Q G K I L P K S E Q F K M					
388	397	406	415	424	433
CCA GAA GGA GGT GAC AGG CAA CCA CAG GTT TAA ATG AAG ACA AGC TGA AAC AAC					
P E G G D R Q P Q V					
442	451	460	469	478	487
ACA AAA CTG TTT TTA TCT AAG ATA TTT GAC TTA AAA ATA TCA AAA TAA ACT TTT					
496	505				
GCA GCT TTC TCC AAA AAA AAA A 3'					

FIGURE 2B